

New Sound Symbol to Think About...
Remember...Look For...



Loudspeakers for

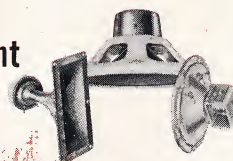
Commercial Sound



Automotive



Replacement



High Fidelity



Special Purpose



OXFORD TRANSDUCER CORPORATION

A Subsidiary of OXFORD ELECTRIC CORPORATION

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Commercial Sound Speakers

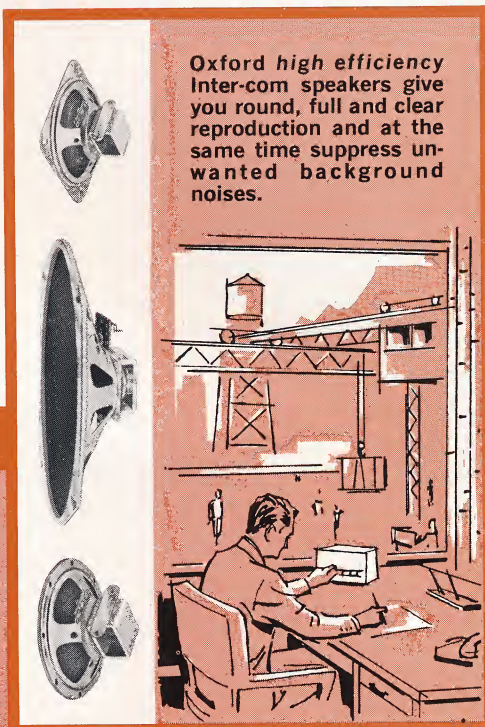
INTER-COM SPEAKERS—From Oxford's Laboratory of Sound Performance come the most efficient intercom speakers available on the market today.

Oxford research engineers have paid particular attention to the reduction of distortion in voice communications. Their objective: *Maximum intelligibility*. Each inter-com speaker has been designed to insure utmost sensitivity in the important voice frequency range, and before a speaker is shipped from the Oxford factory it must pass a rigid control test to certify its top performance rating.

As a result of this emphasis on *maximum intelligibility*, the busy executive need not worry about garbled messages when Oxford inter-com speakers are used. Voice reproduction is full, smooth and clear. These highly efficient speakers will pick up whispers with greatest clarity and at the same time suppress unwanted background noises. Even shouts come through crisp . . . and to the point.

45 OHMS

SIZE	MODEL NO.	MAG. WT. IN OZ.	WATTS	SHIPPING WT. IN LBS.
2½" SQUARE	2AMS45	.68	2	¼
2½" SQUARE	2CMS45	1.47	2	½
3½" SQUARE	3AMS45	.68	3	½
3½" SQUARE	3CMS45	1.47	3	¾
4" SQUARE	4BMS45	1.00	3	¾
4" SQUARE	4CMS45	1.47	3	1
5" ROUND	5BMS45	1.00	4	¾
5" ROUND	5CMS45	1.47	4	1
8" PIN CUSHION	8EVS45	2.15	8	1½

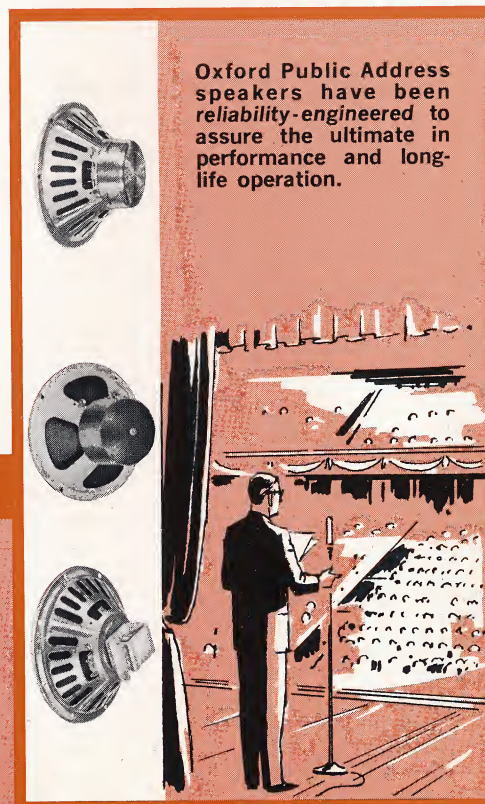


PUBLIC ADDRESS SPEAKERS—Why install two speakers when one will do the job—or three when two will suffice. Oxford public address speakers are designed for higher output, with less power input. This maximum conversion efficiency in speaker power and coverage permits a reduction in the number of speakers usually required in an installation. And, lower rated power amplifiers can be used with a substantial savings in cost.

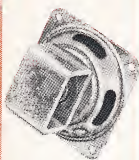
Once a speaker is installed, you want it to function with complete dependability. Failures and call-backs reduce profits and consume valuable time. To provide maximum reliability, voice coils are wound with ANALAC wire—an engineering extra from Oxford. This premium wire prevents "weak" spots in the voice coils, thus eliminating most open voice coils caused by momentary overloads. Extra-heavy gauge steel metals prevent twisting of the baskets, which is the primary cause of distortion. And, all Oxford speakers are Cadmium plated both *inside* and *outside* with mil spec plating to insure maximum life and freedom from corrosion.

8 OHMS

SIZE	MODEL NO.	MAG. WT. IN OZ.	WATTS	FREQ. RESP.	SHIPPING WT. IN LBS.
8" PIN CUSHION	8EVS7	2.15	8	45 — 12,000	1½
8" PIN CUSHION	8FOS7	3.16	10	45 — 15,000	1¾
8" PIN CUSHION	8JBS7	6.80	12	40 — 15,000	2¾
8" ROUND	F8J408	6.80	15	40 — 16,000	3¼
10" ROUND	10JBS7	6.80	12	50 — 12,000	4¼
12" ROUND	12EVS7	2.15	8	45 — 12,000	3¼
12" ROUND	F12J408	6.80	15	45 — 16,000	6
12" ROUND	12JBS7	6.80	12	50 — 14,000	4¼
12" ROUND	F12L608	14.00	25	40 — 16,000	6¼
15" ROUND	15JBS7	6.80	15	45 — 14,000	4¾



Oxford offers a complete line of All Weather speakers specifically designed for maximum operating performance regardless of weather conditions.



ALL WEATHER SPEAKERS—Wind, water, sun, ice, snow and high humidity can put a speaker out of action—unless it is specifically designed for adverse weather conditions. Oxford speakers undergo the most exhaustive testing in a special environmental research lab to insure maximum operating performance regardless of the weather.

Oxford ALL WEATHER speakers feature the exclusive HYDRO-PRUF cone for full protection in any outdoor application. Special moisture-protected voice coils prevent humidity damage. And extra heavy-duty cadmium plating, both inside and out, resists corrosion.

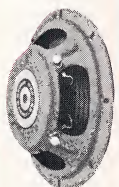
Typical applications would include drive-in theaters, outdoor intercom systems, steam rooms and indoor swimming pools where speakers are subjected to high humidity.

For reliable speaker performance in adverse weather conditions, you can depend on Oxford ALL WEATHER speakers.

3.2 OHMS

SIZE	MODEL NO.	MAG. WT. IN OZ.	WATTS	SHIPPING WT. IN LBS.
3 1/2" SQUARE	3CMSW	1.47	3	1/2
4" SQUARE	4CMSW	1.47	3	1/2
5" ROUND	5CMSW	1.47	4	3/4
6" PIN CUSHION	6CMSW	1.47	6	3/4

New space age materials and advanced engineering designs have been incorporated into a new line of high performance CERAMIC MAGNET speakers from Oxford.



CERAMIC SPEAKERS—Space age technology has made available new materials for use in a variety of applications. Taking advantage of these engineering break-throughs, Oxford has designed and developed a line of new CERAMIC MAGNET speakers, lighter in weight, structurally stronger, and offering greater sensitivity and performance.

Featuring shallow construction, these speakers are ideal for in-wall installation, stereo wings or picture frame mounting.

In addition to the standard models, Oxford also offers ceramic magnet speakers with the new, exclusive *Hidden Magnet* design. The ceramic magnet is mounted between the basket and the cone in a revolutionary new design, permitting use of dual cone for extended range while retaining the thin silhouette. Newly developed epoxy resins, used exclusively in Oxford CERAMIC MAGNET speakers, assure maximum product life and performance.

8 OHMS

SIZE	MODEL NO.	MAG. WT. IN OZ.	WATTS	FREQ. RESP. C.P.S.	SHIPPING WT. IN LBS.
6" PIN CUSHION	6F3S7**	4	8	60 — 13,000	1 1/2
8" PIN CUSHION	8F3S7	4	8	60 — 13,000	2
8" PIN CUSHION	8H4S7	6	10	40 — 13,000	2 3/4
8" PIN CUSHION	C8T*	10	20	40 — 18,000	3 1/2
8" PIN CUSHION	8J4S7**	10	12	40 — 16,000	3
12" ROUND	12J4S7**	10	12	35 — 16,000	4 1/2
6" x 9" HIDDEN MAGNET	HM69E3**	3	8	50 — 18,000	1 1/4
8" RD. HIDDEN MAGNET	HM80H4**	6	10	40 — 14,000	2 1/4
12" RD. HIDDEN MAGNET	HM12K5**	12	20	35 — 16,000	4 1/4

*CO-AXIAL

**DUAL CONE

TRANSFORMERS
Oxford transformers are designed, engineered and built to operate at maximum efficiency with peak load under severest conditions. Designed precisely to perform as specified under any and all conditions and circumstances. Built to last!



Fig. A



Fig. B

**25 VOLT
LINE
TO
VOICE
COIL**

**70.7 VOLT
LINE
TO
VOICE
COIL**

**500 OHM
TO VOICE COIL**

Part No.	Fig.	Ohms Primary	Impedance Secondary	Audio Watts	Mtg. Centers	Height	Width	Depth	Weight (lbs.)
4L25V	A	125	4/8	5	2	1 ¹¹ / ₁₆	2 ¹³ / ₁₆	1 ³ / ₄	1/2
		250	"	2.5	"	"	"	"	"
		500	"	1.25	"	"	"	"	"
		1000	"	.62	"	"	"	"	"
		2000	"	.31	"	"	"	"	"
5L25V	A	62.5	4/8/16	10	2 ³ / ₈	1 ¹¹ / ₁₆	2 ¹³ / ₁₆	1 ³ / ₈	3/4
		125	"	5	"	"	"	"	"
		250	"	2.5	"	"	"	"	"
		500	"	1.25	"	"	"	"	"
		1000	"	.62	"	"	"	"	"
6L25V	B	35	4/8/16	18	2 ³ / ₈	2 ³ / ₈	2 ¹⁵ / ₁₆	1 ⁷ / ₈	1
		70	"	9	"	"	"	"	"
		140	"	4.5	"	"	"	"	"
		280	"	2.25	"	"	"	"	"
		560	"	1.12	"	"	"	"	"
		1120	"	.56	"	"	"	"	"
4L70V	A	1000	4/8	5	2	1 ¹¹ / ₁₆	2 ¹³ / ₁₆	1 ³ / ₄	1/2
		2000	"	2.5	"	"	"	"	"
		4000	"	1.25	"	"	"	"	"
		8000	"	.62	"	"	"	"	"
		16000	"	.31	"	"	"	"	"
5L70V	A	500	4/8/16	10	2 ³ / ₈	1 ¹¹ / ₁₆	2 ¹³ / ₁₆	1 ³ / ₈	3/4
		1000	"	5	"	"	"	"	"
		2000	"	2.5	"	"	"	"	"
		4000	"	1.25	"	"	"	"	"
		8000	"	.62	"	"	"	"	"
6L70V	B	275	4/8/16	18	2 ³ / ₈	2 ³ / ₈	2 ¹⁵ / ₁₆	1 ⁷ / ₈	1
		550	"	9	"	"	"	"	"
		1100	"	4.5	"	"	"	"	"
		2200	"	2.25	"	"	"	"	"
		4400	"	1.12	"	"	"	"	"
		8800	"	.56	"	"	"	"	"
4L50	A	500	3.2	5	2	1 ³ / ₈	2 ³ / ₈	1 ³ / ₈	1/2

Statement of Policy

Oxford Transducer Corporation cares about its customers. It has a service and customer satisfaction policy, unparalleled in the field. When you purchase an Oxford loudspeaker, it is not merely a purchase, but an investment that Oxford helps to protect.

Oxford Transducer Corporation is a leader in new developments in loudspeakers and acoustics and is large enough to have at its disposal the best in engineering and design talent, but not so large as to lose the craftsman's touch to which the P.A. or high-fidelity buyer is entitled.

It is our policy to produce the finest possible loudspeakers for all phases of industry, P.A., hi-fi and replacement at the lowest possible cost.

ARCHITECT AND ENGINEERS SPECIFICATIONS

The Loudspeaker shall be Oxford Model Number _____ and shall be furnished and installed according to the following: The unit shall be of the Permanent Magnet, Cone Type. The Magnet type shall be of _____ and shall have a weight of _____ ounces. The Voice Coil of the unit shall have an impedance of _____ ohms, and a diameter of _____ inch(es). The Power Handling capacity of the unit shall be _____ normal, _____ watts peak. The Flux Density shall be _____ gauss. The Frequency Response of the unit shall be from _____ to _____ cycles per second. The Axial Sensitivity shall be _____ db at four feet with one watt input. All finishes, dimensions, sizes, etc., shall conform to E.I.A. standards (formerly RETMA).



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Ceramic Loudspeaker MODEL C8T

THE NEW HIGH QUALITY, EXTREMELY WIDE ANGLE, MODERATE COST SPEAKER FOR COMMERCIAL SOUND APPLICATIONS

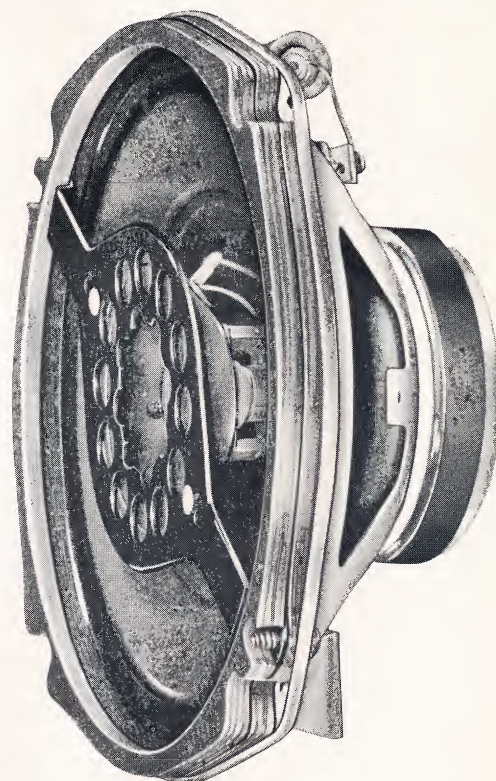
High quality . . . at a sensible price. It is possible for a speaker to have these two important features only when it is developed by a company with a top engineering staff and mass production facilities. *This is Oxford.*

The C8T is the perfect speaker to install no matter how exacting the quality requirements are. It is a full-range, distortion free, true coaxial (dual cone) speaker designed for multiple applications, including public address systems, paging and background music. Music and voice are reproduced with maximum fidelity.

The extra large, heavy duty ceramic magnetic structure of the C8T is of the shallow design type. The new cone design features wide angle dispersion. These advanced engineering concepts assure maximum efficiency and true high fidelity reproduction, even with low level amplifiers. Its unique shallow construction permits installation in between standard 4-inch wall studs.

The Oxford C8T is designed with many special features. They include a true coaxial design (dual cone), a built-in crossover network, and an extremely wide (110°) sound distribution pattern. A 70 volt or 25 volt constant voltage transformer may be attached to the heavy duty mounting bracket provided. Its screw type terminals insure quick and easy installation.

At Oxford, skillful engineering and high quality materials are combined to provide the industry with a speaker that will give extra years of service without failure and call backs. Compare the specifications and performance of the C8T, and you will see why it's preferred over other speakers, regardless of price.



SPECIFICATIONS

Power:	20 watts
Frequency Response:	40—18,000 cps
Pressure Sensitivity:	97 db (SPL at 4 feet from 1 watt)* 109 db (SPL at 4 feet from full 16 watts)
Impedance:	8 ohms
Cone Resonance:	(LF) 65 cycles
Voice Coil Diameters:	LF Section: 1" HF Section: ½"
Distribution:	110°
Magnet:	LF Section: Ceramic Indox V HF Section: Alnico V

Magnet Weights:	LF Section: 10 oz. HF Section: .68 oz.
Flux:	LF Section: 11,200 Gauss HF Section: 7,200 Gauss
Crossover:	2,000 Cycles
Terminals:	(2) Screw type
Diameter:	8 ¾"
Mounting Data:	Baffle Opening: 7 ½" Mounting Bolt Centers: 7 11/16" (4, equally spaced, at 90°) Depth: 3 3/8"
Weight:	3 lbs.

* (Equivalent to E.I.A. rating of 50 db at 30 feet from 1 milliwatt)

THE SPEAKERS PREPARED ESPECIALLY FOR THE COMMERCIAL SOUND INSTALLER

FACTORY INSTALLED TRANSFORMERS... BULK PACKED

Oxford has taken the *cream of the crop*, the speakers proven most popular with professional sound installers and prepared them for "instant use".

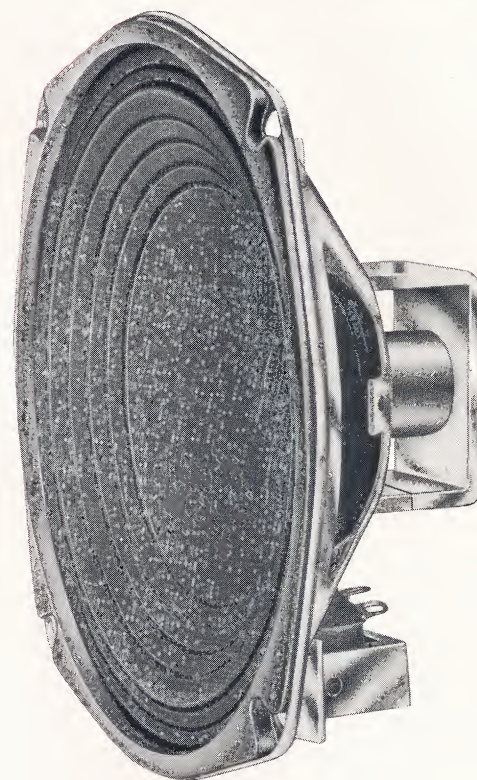
The Specialist Series are 8-inch pin cushion basket units with the line transformer factory mounted. This is done at *Oxford's expense*; you pay only for the speaker and transformer. With the units ready for installation, the sound installer saves time and earns more profit on each job.

The Specialist Series are bulk-packed to save the installer's time and also to provide packaging economies. These ingredients are necessary for successful competitive bidding.

These speakers are available with a versatile selection of magnet weights and with solder lug transformers (pigtail lead transformers are available on special order). Seamless cones are standard. All utilize 8 ohm voice coil impedance with matched high-quality transformers.

For versatile, fast, economical high quality coverage of 25 volt* or 70.7 volt constant voltage systems . . . ask for the Oxford Specialist Series.

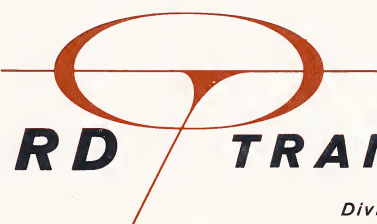
*Oxford
Specialist
Series*



SPECIFICATIONS

Model	Frequency Response (cps)	Power Handling Watts	Maximum Wattage Tap	Overall Depth	Magnet Weight in Ounces	Voice Coil Diameter
8EVS7-70	45—12,000	12	2.5	3 $\frac{7}{8}$ "	2.15	$\frac{5}{8}$ "
8FOS7-70	45—15,000	15	5	3 $\frac{7}{8}$ "	3.16	$\frac{3}{4}$ "
8JBS7-70	40—15,000	20	10	3 $\frac{7}{8}$ "	6.80	1"

*For 25 volt model, substitute #25 for #70 in the respective 70.7 volt model number. Weights, dimensions, terminations, etc. are identical.

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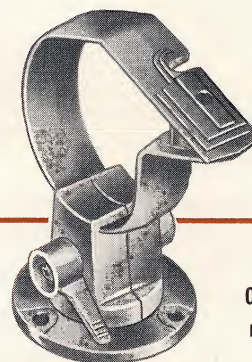
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Outdoor Paging
& Talkback
Speakers
MODEL OP-6 & OP-8



THE MOST ADVANCED WEATHERPROOF PAGING AND TALKBACK SPEAKERS



LEVER-LOCK...
Oxford's exclusive
mounting bracket

A true breakthrough in public address type speakers has been achieved by Oxford with the development of the OP Specialist Series . . . the most efficient and durable outdoor paging and talkback speakers on the market.

Oxford has a completely new design that assures maximum noise penetration and the highest efficiency available. The integral close coupled inner horn and diaphragm eliminates phasing plugs and insures a perfect impedance match to the outer bell. This is an Oxford *exclusive* that allows maximum energy transfer with minimum distortion. Distortion is further reduced by the true exponential flair design of the outer bell. The Alnico V magnets are of the heavy center pole type (they are larger than those found in any other speaker of this type). This advanced magnetic structure design incorporates a heat sink to insure long life at a high ratio power handling capacity.

The OP Specialist paging and talkback speakers are molded from "Implex," a space age material that is practically indestructible and impervious to weather, salt water, oil, acids, and temperature extremes. The use of this material guarantees a non-resonant bell which eliminates one of the major causes of distortion, sympathetic vibrations in thin spun metal shells. Structurally strong, Implex will not bend or dent and the color is molded completely through.

Both the OP-6 and OP-8 are available as standard stock units with built in 70 or 25 volt constant voltage transformers. A 45 ohm tap is also provided on the transformers. Both models are also available without transformers but with standard transformer mounting brackets incorporated within the rear inclosure. The transformer housing provisions are pre-planned . . . no "add ons" are necessary. This saves many dollars in installation time and costly weather-proof boxes.

In the event of voice coil failure, due to severe overload or lightning damage, the complete assembly is easily replaced in the field without special tools.

LEVER-LOCK* The Lever-Lock mounting bracket, die cast of high grade aluminum, is a patented Oxford exclusive. It swivels smoothly and evenly 360° in the horizontal plane and 180° in the vertical plane . . . locks and unlocks with a flip of a single lever. The speaker may be adjusted to any position without tools or disassembling. Once locked in position, it will hold without rattling, even when used in severe mobile applications. As an additional precaution, "Safety Wire" provisions are included—another Oxford exclusive.

Oxford Transducer Corporation guarantees that the OP-6 and OP-8 will give you superior performance and maximum durability under any operating situation. The "Symbol of Better Sound" is Oxford.

* Patent Pending

SPECIFICATIONS

MODEL OP-6

Power Handling Capacity:	15 watts
Frequency Response:	350—14,000 cps
Impedance:	8 ohms (45 ohm transformer tap)
Dispersion:	120°
Sound Pressure Level:	117 db (reading taken at 4') Reduced by 6 db each time the distance is doubled. 3 db reduction when power is reduced by ½.
Sensitivity:	Microphone—23 db, 10 dynes/ Cm²re.
Axial Air Column Length:	16.7"
Magnet Weight:	3.15 oz. Alnico V slug type
Transformers:	Built in 25 or 70 volt
Transformer Taps:	.65—1.25—2.5—5.0—10.0 watts—45 ohms
Terminals:	Screw type (solderless).
Dimensions:	9 1/4" long. 8" semi-square horn mount. (9 3/4" diagonal dimension at rounded corners).
Diaphragm Voice Coil Assembly:	Field replaceable—without special tools
Shipping Weight:	4 lbs.

MODEL OP-8

Power Handling Capacity:	30 watts
Frequency Response:	250—13,000 cps
Impedance:	8 ohms (45 ohm transformer tap)
Dispersion:	100°
Sound Pressure Level:	125 db (reading taken at 4') Reduced by 6 db each time the distance is doubled. 3 db reduction when power is reduced by ½.
Sensitivity:	Microphone—26 db, 10 dynes/ Cm²re.
Axial Air Column Length:	17 3/4"
Magnet Weight:	7.5 oz. Alnico V slug type
Transformers:	Built in 25 or 70 volt
Transformer Taps:	1.25—2.5—5.0—10.0— 15.0 watts—45 ohms
Terminals:	Screw type (solderless).
Dimensions:	11 3/4" long. 9 3/4" semi-square horn mouth. (11 3/4" diagonal dimension at rounded corners).
Diaphragm Voice Coil Assembly:	Field replaceable—without special tools
Shipping Weight:	6 lbs.

*Outdoor Paging
& Talkback
Speakers*
MODEL OP-6 & OP-8



The Oxford OP-6...designed for operation in medium noise level areas where maximum durability and weather resistance is required.



In high ambient noise level areas, for maximum penetration and intelligibility the Oxford OP-8 is recommended. Highly resistant to acids and chemical fumes.

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**MODELS
DVC-8H4
DVC-8J4**

OXFORD DUAL VOICE COIL SPEAKER

Two speaker performance with a single cone for Commercial Sound Installations

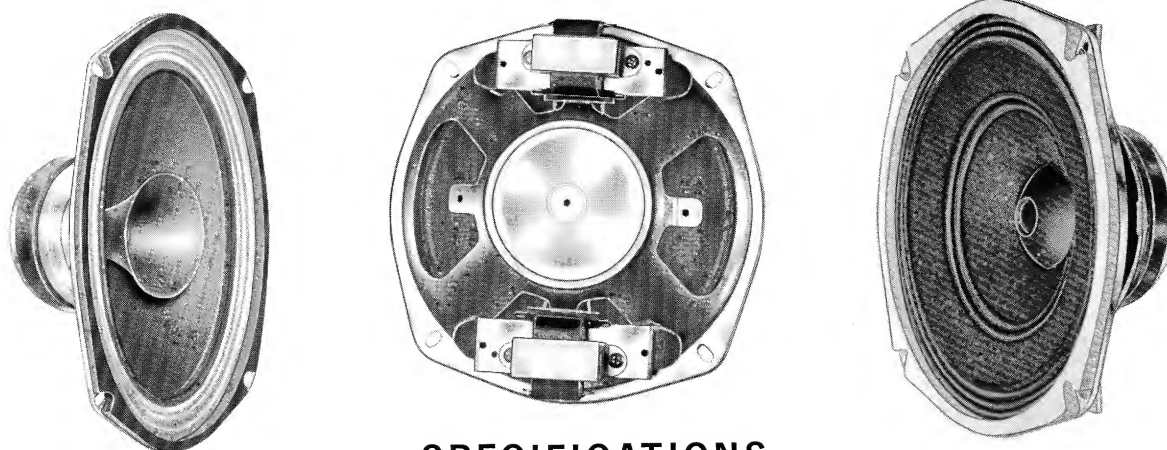
In the tradition of fine speakers associated with the Oxford name, comes the DVC Specialist Series. They are designed to supply the sound installer with units that can be used as two separate loudspeakers.

This is accomplished by two separate and independent voice coils within each unit. This dual voice coil feature makes this the ideal series for installation where immediate broadcasting access is necessary. These applications include areas where emergency warning calls, alarm signals or voice communications must be made over the principal program channel circuit. With the DVC Specialists, circuit capacitory switches and relays are not needed.

In addition to installations where they will be used for emergency overcalls, the DVCs are also very practical for paging in rooms equipped with a public address system, paging over a background music system, and giving continuous commentary over background music.

It's easy to see just how much flexibility you can put into a system when you use Oxford DVC Specialists in shops, hotels, arenas, hospitals, depots, etc.

Models DVC-8H4 and DVC-8J4 are available with dual 70 volt or 25 volt transformers factory installed (specify on order). Without transformers can be used 8/8, 4 or 16 ohms impedance.



SPECIFICATIONS

DVC-8H4		DVC-8J4
8"	Diameter (Size)	8"
8/8 ohms	Nominal Voice Coil Impedance	8/8 ohms
10 watts	Power Handling Capacity	12 watts
30 — 13,000 cps	Frequency Response	30 — 16,000 cps (whizzer)
1"	Voice Coil Diameter	1"
2 lbs.	Net Weight	2½ lbs.
90 db at 1 watt at 4'	Sensitivity*	91 db at 1 watt at 4'

*Ratings are for each of the 2 Voice Coils

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